



ecology and environment, inc.

International Specialists in the Environment

111 West Jackson Boulevard
Chicago, Illinois 60604
Tel (312) 663-9415, Fax (312) 663-0791



M E M O R A N D U M

DATE: February 28, 1996

TO: Karen Rydzewski, TAT Project Manager, E & E ,
Chicago, Illinois

FROM: David Hendren, TAT Analytical Services Manager,
E & E, Chicago, Illinois

THROUGH: Mary Jane Ripp, TAT QA Reports Manager, E & E,
Chicago, Illinois

SUBJECT: Inorganic Data Quality Review for Toxicity
Characteristic Leaching Procedure (TCLP) Metals, 915
S. Kildare, Chicago, Cook County, Illinois

REFERENCE: Project TDD T05-9601-059 Analytical TDD T05-9601-805
Project PAN EIN0841SCA Analytical PAN EIL0841ABA

The data quality assurance (QA) review of one drum composite sample collected from the 915 S. Kildare site is complete. The sample was collected on January 24, 1996, by the Technical Assistance Team (TAT) contractor, Ecology and Environment, Inc. (E & E). The sample was submitted to IEA Laboratories, Schaumburg, Illinois, for analysis. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste Methods 1311, 6010, and 7470 (for mercury).

Sample Identification

TAT
Identification No.

D-1

Laboratory
Identification No.

960263001

Data Qualifications:

I. Sample Holding Time: Acceptable

The sample was collected on January 24, 1996, and analyzed on January 30, 1996. This is within the 6-month holding time limit (28 days for mercury).

II. Calibration:

• Initial Calibration: Acceptable

Recoveries for the initial calibration verification were within 90 to 110% (80 to 120% mercury), as required. The correlation coefficient for mercury exceeded 0.995.

• Continuing Calibration: Acceptable

All analytes included in the continuing calibration verification standard were within 90 to 110% (80 to 120% mercury), as required.

III. Blanks: Acceptable

Calibration and preparation blanks were analyzed with each analytical batch. No target analytes were detected in the blanks.

IV. Instrument Interference Check Samples (ICS): Acceptable

The ICSs were analyzed as required and recoveries were within acceptable limits.

V. Overall Assessment of Data For Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990) Data Validation Procedures, Section 3.0, Metallic Inorganic Parameters. Based upon the information provided, the data are acceptable for use.



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Chicago, Illinois

FROM: David Hendren, TAT Analytical Services Manager,
E & E, Chicago, Illinois

THROUGH: Mary Jane Ripp, TAT QA Reports Manager, E & E,
Chicago, Illinois

SUBJECT: Inorganic Data Quality Review for Total Cyanide, 915
S. Kildare, Chicago, Cook County, Illinois

REFERENCE: Project TDD T05-9601-059 Analytical TDD T05-9601-805
Project PAN EIN0841SCA Analytical PAN EIL0841ABA

The data quality assurance (QA) review of one drum composite sample collected from the 915 S. Kildare site is complete. The sample was collected on January 24, 1996, by the Technical Assistance Team (TAT) contractor, Ecology and Environment, Inc. (E & E). The sample was submitted to IEA Laboratories, Schaumburg, Illinois, for analysis. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste Method 9012.

Sample Identification

TAT
Identification No.

D-1

Laboratory
Identification No.

960263001

Data Qualifications:

I. Sample Holding Time: Acceptable

The sample was collected on January 24, 1996, and analyzed on January 30, 1996. This is within the 14-day holding time limit.

II. Calibration: Acceptable

Recoveries for the initial and continuing calibration verification standards were within 85 to 115%, as required.

III. Blanks: Acceptable

A method blank was prepared and analyzed with the sample. No cyanide was detected in the blank.

IV. Overall Assessment of Data For Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990) Data Validation Procedures, Section 3.0, Metallic Inorganic Parameters. Based upon the information provided, the data are acceptable for use.



IEA
An Aquarion Company

CLIENT ECOLOGY & ENVIRONMENT
CLIENT PROJECT# TDD-9601-805
CLIENT P.O # -
IEA PROJECT# CH960263
MATRIX LEACHATE

TCLP METALS

LAB ID#	CLIENT ID	ANALYTE	RESULT	Qual	POL	REGULATORY	UNITS	DIL.	DATE	DATE	EXTRACTION	METHOD
						LIMIT		FACTOR	DIGESTED	ANALYZED	BLANK	

960263001	D-1											
		Arsenic	U		0 1	5 0	mg/l	1	01/30/96	01/30/96	<0 1	6010
		Barium	0 64		0.05	100 0	mg/l	1	01/30/96	01/30/96	<0 05	6010
		Cadmium	0 01		0 005	1.0	mg/l	1	01/30/96	01/30/96	<0 005	6010
		Chromium	0 013		0 01	5 0	mg/l	1	01/30/96	01/30/96	<0 01	6010
		Lead	U		0 05	5.0	mg/l	1	01/30/96	01/30/96	<0 05	6010
		Mercury	U		0 0002	0 2	mg/l	1	01/30/96	01/30/96	<0 0002	7470
		Selenium	U		0 1	1.0	mg/l	1	01/30/96	01/30/96	<0 1	6010
		Silver	U		0 01	5.0	mg/l	1	01/30/96	01/30/96	<0 01	6010
Date Sampled 01/24/96						Date Leached:01/29/96						



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IEA

An Aquarion Company

Client: Ecology & Env.
IEA Job#: CH960263
Project #: TDD-9601-805
Matrix: Soil

Wet Chemistry Analytes
EPA Method 9012
(mg/Kg-Dry Weight)

	Client ID	D-1	Method				PQL
	Lab ID	960263001	Blank				
Analyte							
Total Cyanide		0.24	<0.12				0.12
Date Sampled		1/24/96	-				
Date Extracted		1/30/96	1/30/96				
Date Analyzed		1/30/96	1/30/96				

PQL = Practical Quantitation Limit



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